EAST Search History

| Ref# | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|------|------|--|------------------------------|---------------------|---------|---------------------|
| L1 | 1 | (ap or base station) same set backoff timer | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/08 16:49 |
| L2 | 2 | (ap or base station) same set back off timer | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/08 16:50 |
| L3 | 373 | (remote or wireless or radio) with set timer | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/08 16:51 |
| L4 | 99 | 3 and "455"/\$.ccls. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/08 16:51 |
| L5 | 1010 | remot\$5 with program with mobile | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/08 17:00 |
| L6 | 0 | 5 and "455"/\$.cds | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/08 17:00 |
| L7 | 330 | 5 and "455"/\$.cds. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/08 17:01 |
| L8 | 0 | 7 and tiimer | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/08 17:01 |
| L9 | 39 | 7 and timer | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/08 17:01 |
| L10 | 0 | remot\$5 with program timer with mobile | US-PGPUB; USPAT; USOOR | ADJ | ON | 2009/05/08 17:06 |
| L11 | 1 | remot\$5 with set timer with mobile | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/08 17:07 |
| L12 | 180 | back off timer | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/08 17:11 |
| L13 | 0 | pctca2003000875 | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/08 17:31 |
| L14 | 0 | method and system for maintaining a wireless data connection | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/08 17:31 |

| L15 | 21411 | zhao | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/08 17:32 |
|-----|-------|---|------------------------------|-----|-----|---------------------|
| L16 | 4 | zhao and wireless data connection | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/08 17:32 |
| S1 | 3073 | (455/450).OCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/05/06 14:54 |
| 82 | 1803 | (455/435.1).OCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/05/06 14:54 |
| S3 | 1652 | (455/433).OCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/05/06 14:54 |
| S4 | 6299 | (cell\$5 or mobile) same ((maintain or keep or preserve) with ∞nnection) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/06 14:56 |
| S5 | 45 | S4 and S2 | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/06 14:57 |
| S6 | 61 | S4 and S3 | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/06 15:39 |
| S7 | 51 | S6 not S5 | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/06 15:39 |
| S8 | 1604 | S4 and "455"/\$.ccls. | US-PGPUB; USPAT; USOOR | ADJ | ON | 2009/05/06 15:54 |
| S10 | 74 | S8 and login | US-PGPUB; USPAT; USOOR | ADJ | ON | 2009/05/06 15:55 |
| S11 | 284 | (connection with (loss or terminate)) same (power \$1down or power down or power off or restart) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/07 08:29 |
| S12 | 1806 | (455/435.1).CCLS. | US-PGPUB; USPAT; USOOR | OR | OFF | 2009/05/07 08:30 |
| S13 | 0 | S11 and S12 | US-PGPUB; USPAT; USOOR | ADJ | ON | 2009/05/07 08:30 |
| S14 | 1652 | (455/433).OOLS. | US-PGPUB; USPAT; USOOR | OR | OFF | 2009/05/07 08:30 |

| S15 | 1 | S11 and S14 | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/07 08:30 |
|-----|-------|--|------------------------------|-----|----|---------------------|
| S16 | 28 | S11 and "455"/\$.ccls. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/07 08:31 |
| S17 | 47 | S11 and "370"/\$.ccls. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/07 08:50 |
| S18 | 84 | S11 and (sensor or data collection) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/07 08:52 |
| S19 | 65 | S18 and (wireless or mobile or cell\$5) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/07 08:53 |
| S20 | 32025 | radio same (cell\$5 or mobile) same connection | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/07 09:07 |
| S21 | 15 | S20 and login message | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/07 09:07 |
| S22 | 3 | radio same (cell\$5 or mobile) same (auto\$1ogin or automatic login) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/07 09:42 |
| S23 | 31 | radio same (cell\$5 or mobile) and (auto\$1ogin or automatic login) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/07 09:44 |
| S24 | 180 | (cell\$5 or mobile) and (auto\$1ogin or automatic login) | US-PGPUB; USPAT; USOOR | ADJ | ON | 2009/05/07 09:50 |
| S25 | 2 | "20030018887" | US-PGPUB; USPAT; USOOR | ADJ | ON | 2009/05/07 09:56 |
| S26 | 4 | ("2003/0018887").URPN. | USPAT | ADJ | ON | 2009/05/07 10:23 |
| S27 | 13 | ("20020006603" "20020169670" "20020189670" "20020180795" "20030018887" "20030046401" "20030070000" "20030146932" "6119165" "6205474" "6325853" "6480883" "6526433" "6539422"), FN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/07 10:24 |
| S28 | 0 | S12 and (auto\$1ogin or automatic login) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/07 10:28 |

| S29 | 0 | S14 and (auto\$1ogin or automatic login) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/07 10:28 |
|-----|------|---|------------------------------|-----|----|---------------------|
| S30 | 272 | (auto\$1ogin or automatic login) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/07 10:28 |
| S31 | 909 | (machine\$1to\$1machine) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/07 10:30 |
| S32 | 0 | S31 and S30 | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/07 10:30 |
| S33 | 4 | S31 and S12 | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/07 10:30 |
| S34 | 3 | S31 and S14 | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/07 10:31 |
| S35 | 598 | S31 and (wireless or cell \$5 or mobile) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/07 10:35 |
| S36 | 502 | S31 and (cell\$5 or mobile) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/07 10:35 |
| S37 | 253 | S36 and (login or register) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/07 10:35 |
| S38 | 1 | S37 and (reconnect or re \$1connect) | US-PGPUB; USPAT; USOOR | ADJ | ON | 2009/05/07 10:36 |
| S39 | 40 | S37 and "455"/\$.ccls. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/07 10:42 |
| S40 | 34 | S37 and "370"/\$.ccls. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/07 10:55 |
| S41 | 2 | "20060203763" | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/07 11:46 |
| S42 | 8 | packet data reconnect | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/07 11:48 |
| S43 | 1816 | packet data and (reconnect or reestablish) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/07 12:16 |
| S44 | 968 | S43 and (cell\$% or mobile) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/07 12:16 |

| S45 | 333 | S44 and "455"/\$.ccls. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/07 12:17 |
|-----|------|--|------------------------------|-----|-----|---------------------|
| S46 | 61 | \$45 and ((turn\$5 or power \$5) with (off or on)) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/07 12:19 |
| S47 | 1 | ("6249681").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/05/07 15:15 |
| S48 | 1 | "20020109676" | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/07 16:18 |
| S49 | 2 | "20030076808" | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/07 16:20 |
| S52 | 556 | (cell\$5 or mobile) and ((turn off) same loss same (signal or conection)) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/08 10:10 |
| S53 | 47 | S52 and "455"/\$.ccls. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/08 10:11 |
| S54 | 7025 | ((power down or turn off) same (reset or reconnect)) and (cell\$5 or mobile) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/08 10:38 |
| S55 | 1806 | (455/435.1).OCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/05/08 10:38 |
| S56 | 12 | S54 and S55 | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/08 10:38 |
| S57 | 1652 | (455/433).OCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/05/08 10:45 |
| S58 | 1 | S54 and S57 | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/08 10:45 |
| S59 | 8 | S54 and always-on | US-PGPUB; USPAT; USOOR | ADJ | ON | 2009/05/08 10:46 |
| S60 | 320 | ((power down or turn off) same ((connection or signal) with loss)) and (cell \$5 or mobile) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/08 10:49 |
| S61 | 4103 | reboot and (cell\$5 or mobile) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/08 10:52 |

| S62 | 15 | (reboot with ((connection or signal) with loss)) and (cell\$5 or mobile) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/08 10:54 |
|-------------|-------|--|------------------------------|-----|----|---------------------|
| S63 | 269 | (reset with ((connection or signal) with loss)) and (cell \$5 or mobile) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/08 11:29 |
| S64 | 13 | S63 and "455"/\$.ccls. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/08 11:29 |
| S65 | 0 | (receive or transmit) with signal with (set back\$1off timer) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/08 11:34 |
| S66 | 13 | (receive or transmit) with signal with (back\$1off timer) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/08 11:34 |
| S 67 | 4 | (remot\$5 or wireless\$5) with set with (back\$1off timer) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/08 11:42 |
| S68 | 80317 | (cell\$5 or mobile) and stor \$5 with ((nonvolatile or removable or external or permanent or sim) with memory) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/08 12:23 |
| S 69 | 26143 | (cell\$5 or mobile) and stor \$5 with (nonvolatile with memory) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/08 12:24 |
| S70 | 0 | \$69 and retreive from non volatile memory | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/08 12:25 |
| S71 | 0 | S69 and retrieve from non volatile memory | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/08 12:25 |
| S72 | 0 | S69 and read from non volatile memory | US-PGPUB; USPAT; USOOR | ADJ | ON | 2009/05/08 12:25 |
| S73 | 2185 | S69 and (read with ((non volatile) with memory)) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/08 12:26 |
| S74 | 76 | S73 and "455"/\$.ccls. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/08 12:27 |
| S75 | 1657 | gsm and gprs and umts and edge and wlan | US-PGPUB; USPAT; USOOR | ADJ | ON | 2009/05/08 12:46 |
| S76 | 8 | S75 and reconnect and login | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/08 12:47 |

| S77 | 1466 | S75 and cellular | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/08 12:51 |
|-----|-------|---|------------------------------|-----|----|---------------------|
| S78 | 93 | S77 and login | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/08 12:51 |
| S79 | 16227 | (Cell\$5 or mobile) and time \$5 memory | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/08 13:31 |
| S80 | 4891 | (Cell\$5 or mobile) with time\$5 memory | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/08 13:32 |
| S81 | 29 | (Cell\$5 or mobile) with timer memory | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/08 13:32 |
| S82 | 69 | S80 and "455"/\$.ccls. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/08 13:35 |
| S83 | 744 | (Cell\$5 or mobile) same ((stor\$5 or write)with timer with memory) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/08 13:43 |
| S84 | 158 | S83 and "455"/\$.ccls. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/08 13:44 |

5/8/2009 5:45:07 PM

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